Event

MPTS IJET
AN 3105
OFT

Mission

AIRWAYS NAVIGATION SIMULATOR

1.5 HOURS/X

ORM

AN 3105

- **OPERATIONAL REQUIREMENTS / LIMITATIONS**
  - **CREW REST/ CREW DAY / WORK WEEK**
  - **WARM-UP ELIGIBILITY**
  - **PREVIOUS FLIGHT COMPLETE?**
  - **IP CURRENCY**
  - **READ AND INITIAL**

- **HUMAN FACTORS**
  - **LIFE STRESSORS / EXTERNAL FACTORS/ PERSONAL PROBLEMS**
  - **MEDICAL STATUS**
    - **CREW DAY**
    - **CREW REST**
    - **NOURISHMENT**
    - **HYDRATION**

- **HAZARDS AND CONTROLS**
  - **ROUTINE**
  - **WEATHER**
    - **CURRENT OBSERVATIONS AND FORECASTS**
    - **CROSSWINDS**
    - **FUEL CONSIDERATIONS**

TTO

AN 3105

- **WHO WILL CALL A TTO?**

- **WHAT SITUATIONS WILL THE TTO BE CALLED?**
  - **SAFETY**
  - **CONFUSION**
  - **MISUNDERSTANDING**

- **IP RESPONSIBILITIES**
  - **RECOGNIZE THE NEED FOR A TTO**
  - **EXPLANATION / INSTRUCTION AS NECESSARY**
  - **DOCUMENTATION ON ATF**

- **WHEN AND HOW WILL TRAINING RESUME?**

ADMIN

AN 3105

- **QOD**
  - **NATOPS**
  - **EP**
  - **SOP**
- **PREREQUISITES**
  - **AN 3104**
- **MISC.**
  - **EVENT DURATION MUST BE AT LEAST 0.75 OF SYLLABUS TIME TO BE COMPLETE (1.1 HRS).**
  - **AN EVENT DURATION THAT DEVIATES GREATER THAN 0.3 HOURS FROM SYLLABUS TIME MUST HAVE THE REASON ANNOTATED ON THE GRADE SHEET.**

SYLLABUS NOTES

AN 3105

- **SNA’S SHALL BRING A COPY OF THEIR DD-175 AND SINGLE ENGINE JET LOG TO ALL SIMULATOR EVENTS FOR INSTRUCTOR USE.**

- **THE HUD WILL BE AVAILABLE FOR USE ON ALL AN STAGE SIMULATORS.**

- **AN3102 AND AN3104-6 SHALL BE FLOWN IN THE OFT.**

SYLLABUS NOTES

AN 3105

- **DURING THIS BLOCK, STUDENTS SHALL FLY AT LEAST THE APPROACHES LISTED BELOW:**
  - **TACAN/VOR DME 2 FULL PANEL/1 PARTIAL PANEL**
  - **VOR 1 FULL PANEL/1 PARTIAL PANEL**
  - **ASR 2 FULL PANEL**
  - **ILS 3 FULL PANEL/1 PARTIAL PANEL**
  - **PAR 1 FULL PANEL/1 PARTIAL PANEL**
  - **NO-GYRO GCA 2**
  - **STAR 1**
  - **LOW OIL APPROACH 1**
  - **MIN FUEL/EMERGENCY FUEL APPROACH 1**
  - **CIRCLE-TO-LAND 1**

RECOMMENDED FLIGHT CONDUCT

AN 3105

PREPARE A CROSS COUNTRY DD-175 & JET LOG FROM JACKSON-EVERS INTERNATIONAL, MS (JAN) TO LOUIS ARMSTRONG, NEW ORLEANS INTERNATIONAL, LA (MSY) USING THE RHYTHM-THREE ARRIVAL TO MSY. CHOOSE AN ALTERNATE AIRFIELD BASED ON ATTACHED DD-175-1 & NOTAM INFORMATION.

DEPARTURE: JAN JACKSON FIVE DEPARTURE

ENROUTE: AS FILED

ARRIVAL: MSY VIA RHYTHM-THREE ARRIVAL

NOTES: APPROACH REQUIREMENTS:
ILS, TACAN (P/P) & NO GYRO GCA.
INTRODUCE: STAR

- ADVISE YOUR IP – HOW MANY/WHAT TYPE OF APPROACHES REMAIN PRIOR TO END OF BLOCK.

DD-175-1 & NOTAMS

AN 3105

FLIGHT WEATHER BRIEFING

PART I - TAKEOFF DATA

1. DATE	2. ACFT TYPE/NO.	3. DEP PT/ETD	4. RWY TEMP	5. DEWPOINT	6. TEMP DEV	7. PRES ALT	8. DENSITY ALT
15 JAN 2011	T45 C	------ Z	82 °F/C	78 °F/C	+17	900 FT	850 FT

9. SFC WIND	10. CLIMB WINDS	11. LOCAL WEATHER WATCH/WARNING/ADVISORY	12. RSC/RCR
M CALM T	270 / 15	NONE	25

13. REMARKS/TAKEOFF ALTN FCST
NOT REQUIRED. LOCAL ALTIMETER 30.04

PART II - ENROUTE & MISSION DATA

14. FLT LEVEL/WINDS/TEMP	SEE ATTACHED	15. SPACE WEATHER	16. SOLAR/ LUNAR	LOCATION
FL 240 260 / 30 -20C		NA		

	NO IMPACT	MARGINAL	SEVERE				
FREQ				BMNT Z		SR Z	MR Z
GPS				SS Z		MS Z	
RAD				EENT Z		ILLUM %	

17. CLOUDS AT FLT LEVEL	18. OBSCURATIONS AT FLT LEVEL RESTRICTING VISIBILITY
X YES NO X IN AND OUT	X YES NO TYPE THIN CIRRUS

19. MINIMUM CEILING - LOCATION	20. MAXIMUM CLOUD TOPS - LOCATION	21. MINIMUM FREEZING LVL - LOCATION
GULFPORT MS 300 FT AGL	SOUTH MS - LA 25000 FT MSL	EAST LA 12000 FT MSL

22. THUNDERSTORMS				23. TURBULENCE			24. ICING				25. PRECIPITATION				
CHART				CHART			CHART				CHART				
X NONE	AREA	LINE		NONE	IN CLEAR	IN CLOUD	NONE	RIME	MIXED	CLEAR	NONE	DRIZZLE	RAIN	SNOW	PELLET
ISOLATED 1 - 2%				LIGHT	X		TRACE	X			LIGHT				
FEW 3 - 15%				MODERATE			LIGHT				MODERATE		X		
SCATTERED 16 - 45%				SEVERE			MODERATE				HEAVY				
NUMEROUS - MORE THAN 45%				EXTREME			SEVERE				SHOWERS				
											FREEZING				
HAIL, SEVERE TURBULENCE & ICING, HEAVY PRECIPITATION, LIGHTNING & WIND SHEAR EXPECTED IN AND NEAR THUNDERSTORMS.				LEVELS ABOVE FL 250			LEVELS 12000-17000 EAST LA				LOCATION SOUTH MS & LA				
LOCATION NONE				LOCATION			LOCATION								

PART III - AERODROME FORECASTS

26.	27. VALID TIME	28. SFC WIND	29. VSBY/WEA	30. CLOUD LAYERS	31. ALTIMETER	RWY TEMP	PRES ALT
DEST/ALTN MSY	Z TO Z ----------	M 020 /10 T	3/4 RA	400 BKN 1200 OVC	INS 30.07	°F/C 85	FT 600
DEST/ALTN NBG	Z TO Z ----------	M 030/10 T	1 FG	400 BKN 2000 OVC	INS 30.08	°F/C 88	FT 600
DEST/ALTN GPT	Z TO Z ---------	M 360/11 T	1 1/2 FG	500 OVC	INS 30.09	°F/C 80	FT 600
DEST/ALTN NEW	Z TO Z --------	M 020 /20 T	1 1/2 -RA	500 OVC	INS 30.10	°F/C 80	FT 600
DEST/ALTN BIX	Z TO Z --------	M 360 / 15 T	2 -RA	500 OVC	INS 30.10	°F/C 80	FT 600
DEST/ALTN	Z TO Z	M T			INS	°F/C	FT
DEST/ALTN	Z TO Z	M T			INS	°F/C	FT
DEST/ALTN	Z TO Z	M T			INS	°F/C	INS

PART IV - COMMENTS/REMARKS

32. BRIEFED RSC/RCR	X YES	NOT AVAILABLE	33. PMSV	34. ATTACHMENTS	YES	X NO

35. REMARKS
IC SET: JAN 34R N 32:18:27 W 90:04:01 310' HDG 338
16L N 32:19:40 W 90:04:39 310' HDG 158

PART V - BRIEFING RECORD

36. WX BRIEFED TIME	37. FLIMSY BRIEFING NO.	38. FORECASTER'S INITIALS	39. NAME OF PERSON RECEIVING BRIEFING
--------- Z	01-005	RJD	----------YOU--------
40. VOID TIME	**41. EXTENDED TO/INITIALS**	**42. WX REBRIEF TIME/INITIALS**	**43. WX DEBRIEF TIME/INITIALS**
--------- Z	Z	Z	AIRNAV 3105 SIM Z

DD FORM 175-1, OCT 2002 PREVIOUS EDITION MAY BE USED. Reset

AN3105 SIMULATOR NOTAMS JAN, MSY, NBG, GPT, NEW, BIX

Data Current as of: THE DATE OF YOUR FLIGHT

JAN JACKSON-EVERS INTL
!JAN 07/002 JAN RWY 16R/34L CLSD WEF .....

!JAN 02/039 JAN RWY 34L ALS OTS WEF .....

!FDC 5/1687 JAN FI/T JACKSON-EVERS INTL, JACKSON, MS TACAN RWY 34L ORIG-A... S-34L MDA 840/511 HAT ALL CATS. RVR CAT A/B 2400, RVR CAT C/D 5000, RVR CAT E 6000.

MSY LOUIS ARMSTRONG NEW ORLEANS INTL
!MSY 05/007 (KMSY A0222/08) MSY RWY 1 PAPI CMSND

!FDC 8/8747 (KMSY A0258/08) MSY FI/P LOUIS ARMSTRONG NEW ORLEANS INTL, NEW ORLEANS, LA. VOR/DME RWY 10, ORIG-A... S-10: HAT 516 ALL CATS. CIRCLING: CATS A/B/C HAA 516, CAT D MDA 580/HAA 576. TDZE 4 FEET. AIRPORT ELEVATION 4 FEET. CHART PROFILE NOTE: VGSI AND DESCENT ANGLES NOT COINCIDENT. THIS IS VOR/DME RWY 10, ORIG-B..

NBG NEW ORLEANS NAS JRB/ALVIN CALLENDER FIELD/
M0166/08 -NO PAR OR ASR APPROACHES TO RUNWAY 22 UNTIL FURTHER NOTICE

M0154/08 -CRANE 4600 FT NORTH OF THE APPROACH END RWY 22. OBSTRUCTION FOR RWY 4 DEPARTURE. MAX HEIGHT 120 FT AGL

GPT GULFPORT-BILOXI INTL

NONE

NEW LAKEFRONT
!NEW 12/009 NEW RCO 255.4 OTS !NEW 12/005 NEW ASOS AVBL 128.25

!NEW 12/004 NEW ATIS 124.9 CMSND

!NEW 09/002 NEW EFAS OUTLET 122.0 OTS

BIX KEESLER AFB
M0119/08 -TAXIWAY ECHO UNUSABLE

SSR/DISCUSS ITEMS

AN 3105

- **SPECIAL SYLLABUS REQUIRMENTS:**
  - **NONE**
- **DISCUSS ITEMS:**
  - **QOD**
  - **EN ROUTE WEATHER UPDATES**
  - **IN-FLIGHT FUEL CALCULATIONS.**

AN 3105

BLOCK MIF

CTS REF	MANEUVER	AN3106
1	General Knowledge/Procedures	4+
2	Emergency Procedures	3+
3	Headwork/Situational Awareness	3+
4	Basic Airwork	4+
5	Mission Planning/Briefing/Debriefing	4+
6	Communications	3+
7	Ground Operations	4+
8	Flight Admin	4+
3	Lost Communications	4+
10	Takeoff	4+
11	Departure	4+
12	Enroute Navigation	4+
12	Point-to-Point Navigation	3+
1 8	Route/Destination Change	3+
15	Holding	4+
13	Descent/Field Entry	4+
12	STAR	3+
17	Precision Approach	4+
18	Non-Precision Approach	4+
17 18 5	Partial Panel Approach	4+
21	Min/Emergency Fuel Approach	4+
12	Low Oil Approach	4+
17	No-Gyro GCA	4+
19	Circling Approach	3+
20	Missed Approach	4+
20 5	Partial Panel Missed Approach	4+
23	Landings	3

STANDARD DEBRIEFING FORMAT

AN 3105

- THE FLIGHT LEAD OR PILOT-IN-COMMAND IS RESPONSIBLE FOR ENSURING ALL FLIGHT OR CREWMEMBERS ARE THOUROUGHLY DEBRIEFED ON THE CONDUCT OF THE MISSION UTILIZING THE "S-P-B-E-MS-LL" FORMAT OUTLINED BELOW.

I. SAFETY
II. PLANNING
III. BRIEF
IV. EXECUTION
V. MISSION SUCCESS
VI. LESSONS LEARNED